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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/523,167
				<b>Filing Date</b>	3/10/2006
				<b>First Named Inventor</b>	Mohammad Borran
				<b>Art Unit</b>	2611
Date Submitted: June 25, 2009				<b>Examiner Name</b>	Kevin Michael Burd
(use as many sheets as necessary)				<b>Attorney Docket Number</b>	088245-0799
Sheet	1	of	3		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US-7,149,239	12-12-2006	Hudson, John E.	
		US-7,116,652	10-03-2006	Lozano, Angel	
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		US-6,654,431	11-25-2003	Barton, et al.	
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		EP 1324558	07-02-2003	Sony International (Europe) GmbH		
		RU 2,145,152	01-27-2000	Garmonov Aleksandr Vasil'evich	With English Abstract	
		RU 2,192,094	10/27/2002	Garmonov Aleksandr Vasil'evich	With English Abstract	
		KR 2002-0076049	10-09-2002	Kim et al.	With English counterpart	

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		BORRAN et al., "Constellations for Imperfect Channel State Information at the Receiver," 40th Annual Allerton Conference on Communication, Control and Computing, October 2002.	

Examiner Signature		Date Considered	
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		BORRAN, et al., "Constellations for Imperfect Channel State Information at the Receiver, Rice University power point presentation," October 2002.	
		CHAN, ALBERT M., et al., "A New Reduced-Complexity Sphere Decoder for Multiple Antenna Systems," Proc. Int. conf. Commun. (ICC-02) (New York City) April 2002.	
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		Office Action from Korean Intellectual Property Office for corresponding Korean Application Number 10-2008-7015598, dated 8/21/2008.	

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		Supplementary European Search Report for EP 04 75 5820 dated February 16, 2009	
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		Office Action from Chinese Patent Office for related Chinese Application Number, 200480017820.6, dated October 31, 2008.	

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